



Transfer Guide

Jackson College

Bachelor of Science—Mechanical Engineering

This transfer guide is designed to provide a seamless transition between the **Associate of Science** degree at Jackson College and the **Bachelor of Science in Mechanical Engineering** degree at Baker College.

For additional information about Baker College’s transfer process and available scholarships, please visit our [Transfer Students](#) page.

PROGRAM REQUIREMENTS

TRANSFER CREDITS FROM JACKSON COLLEGE— ASSOCIATE IN SCIENCE

Course	Number	Course Title	Credit Hours
ENG	131	WRITING EXPERIENCE I	03
ENG	132	WRITING EXPERIENCE II	03
MAT	133	INT PROBABILITY & STATISTICS	04
MAT	151	CALCULUS I	04
MAT	154	CALCULUS II	05
MAT	251	CALCULUS III	04
MAT	254	DIFFERENTIAL EQUATIONS	04
CEM	141	GENERAL CHEMISTRY I	05
PHY	251	MODERN UNIVERSITY PHYSICS I	05
PHY	252	MODERN UNIVERSITY PHYSICS II	05
ECN	231	MACROECONOMICS	03
HUM	131	CULTURAL CONNECTIONS	03
PHL	236	ETHICS	03
COM	231	COMMUNICATION FUNDAMENTALS	03
CAD	151	ENGINEERING GRAPHICS	02
CPS	177	PROGRAMMING IN C++	03
COM	250	INTERCULTURAL COMMUNICATION	03

**TOTAL CREDITS FROM
JACKSON COLLEGE**

62

CREDITS TRANSFERRED TO BAKER COLLEGE

Course	Number	Course Title	Credit Hours
ENG	1010	COMPOSITION I	03
ENG	1020	COMPOSITION II	03
MTH	2750	STATISTICAL METHODS	03
MTH	1510	CALCULUS I	04
MTH	2510	CALCULUS II	04
MTH	3510	MULTIVARIABLE CALCULUS	04
MTH	3550	DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA	04
SCI	2460	GENERAL CHEMISTRY	04
SCI	2510	GENERAL PHYSICS I	04
SCI	2520	GENERAL PHYSICS II	04
ECN	2010	PRINCIPLES OF MACROECONOMICS	03
SOC	3210	CULTURAL DIVERSITY	03
HUM	4010	PHILOSOPHY OF ETHICS	03
SPK	2010	ORAL COMMUNICATIONS	03
EGR	1010A	ENGINEERING GRAPHICS	02
CS	2150	C++ PROGRAMMING (ELECTIVE)	03

**TOTAL CREDITS TRANSFERRED TO
BAKER COLLEGE**

54

ARTICULATION AGREEMENT

This transfer guide is part of a formal articulation agreement between Baker College and Jackson College. The complete, signed document is kept on file at both Jackson College and Baker College.

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COURSES TO BE COMPLETED WITH BAKER COLLEGE – BS MECHANICAL ENGINEERING PROGRAM

Course	Number	Course Title	Credit Hours
EE	2110	CIRCUITS AND ELECTRONICS I	04
EE	3610	DYNAMIC SYSTEMS AND CONTROL	03
EGR	1050	INTRODUCTION TO ENGINEERING AND DESIGN	02
EGR	2710	COMPUTING FOR ENGINEERS	02
EGR	3210	ENGINEERING ECONOMY	02
EGR	910	ENGINEERING PROJECT MANAGEMENT	03
EGR	920	SENIOR DESIGN PROJECT	02
ISE	2110	MANUFACTURING PROCESSES	03
ME	2110	MATERIALS SCIENCE	04
ME	2210	STATICS	03
ME	2250	DYNAMICS	03
ME	2410	INTRODUCTION TO 3D MODELING	03
ME	2450	INTRODUCTION TO COMPUTER AIDED ENGINEERING	02
ME	3210	SOLID MECHANICS	03
ME	3220	SOLID MECHANICS AND VIBRATIONS LAB	01
ME	3250	VIBRATIONS	03
ME	3270	MECHANICAL DESIGN	04
ME	3310	THERMODYNAMICS	03
ME	3410	FLUID MECHANICS	03
ME	4310	HEAT TRANSFER	03
ME	4350	THERMAL SYSTEMS LAB	01
ME	XXXX	MECHANICAL ENGINEERING TECHNICAL ELECTIVE I	03
ME	XXXX	MECHANICAL ENGINEERING TECHNICAL ELECTIVE II	03
WRK	3010	WORK EXPERIENCE	03
TOTAL CREDIT HOURS REMAINING AT BAKER COLLEGE			66
PROGRAM TOTAL			120

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Effective Date: January 1, 2018 — December 31, 2021